

IN THE ABSTRACT

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substitute therefor the enclosed New Abstract.

NEW ABSTRACT

An elastomeric stamp for printing a pattern on a substrate with an ink is formed from a first material. The stamp includes first and second surfaces in two different planes, and a third surface extending from the first to the second surface. The first surface forms the contact surface of a protruding feature of the stamp, whereas the third surface forms the edge of such a feature. The first surface includes an impermeable barrier. Optionally, the second surface also includes a further barrier layer to suppress gas phase diffusion of the ink. In contrast, the third surface is permeable to the ink. Consequently, the stamp is highly suitable for edge transfer lithography. The first material of the stamp serves as an ink reservoir, thus reducing the re-inking frequency of the stamp, and the first barrier layer prevents unwanted diffusion of the ink to substrate areas that contact the stamp.